Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/02/2020 10:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124556	-1	1.97	124734	1.95
Blue	F	SSC	125000	124704	-1	1.67	125493	1.62
Blue	E	FITC	16433	16093	-3	2.74	352	19.47
Blue	D	PE	27595	27295	-2	2.03	595	14.12
Blue	B	PerCP-Cy5-5	43183	43251	0	3.58	1160	19.74
Blue	A	PE-Cy7	31943	32564	1	6.07	625	39.98
Red	C	APC	42819	42485	-1	2.39	1501	12.18
Red	A	APC-Cy7	31261	30850	-2	2.35	816	11.96
Violet	B	V450	6527	6296	-4	4.74	352	13.32
Violet	A	V500	24533	23523	-5	4.60	546	10.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17874	10.33	613	13	N/A	N/A	Pass
Blue	F	SSC	56749	1.25	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0211	111	Pass
Blue	D	PE	125	49.42	537	3	0.2006	358	Pass
Blue	B	PerCP-Cy5-5	216	48.06	651	9	0.0097	58	Pass
Blue	A	PE-Cy7	117	99.47	699	10	0.0114	20	Pass
Red	C	APC	360	25.12	581	-2	0.0240	127	Pass
Red	A	APC-Cy7	180	28.47	561	-2	0.0055	867	Pass
Violet	B	V450	54	61.54	448	-7	0.0567	2523	Pass
Violet	A	V500	82	32.95	459	-8	0.0220	602	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.07	-31.86	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	15.72	13.60 - 20.40	N/A	N/A	29.55	29.86	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9786

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments